

**THIS MACHINE**  
For stamping in plain rubber type  
Your name and address, will be mailed YOU with GREEN'S FRUIT GROWER, One year for 50 cents.

VOL. XVII. No. 3.

**OUR HEALTH DEPARTMENT**

**The Garden Plot.**

Written for Green's Fruit Grower by J. W. WOODRIDGE, M. D.

In looking "round the garden plot" how many things are seen that need attention now and then. The garden plot is a most interesting and profitable one. It is a place where the fruits of the earth are raised, and it is a place where the fruits of the earth are raised. The garden plot is a most interesting and profitable one. It is a place where the fruits of the earth are raised, and it is a place where the fruits of the earth are raised.

**For Cold Feet.**

For keeping the feet warm throughout the night in rooms where no fire is kept, the heated stone or the hot water bag, filled from the tea-kettle before retiring is better than wearing knitted slippers or hose to bed. Cases of outflowing, or pieces of old soft wool flannels, should be made for foot-stones and hot water bags. These may be buttoned over, or closed by means of a draw string. Cold feet are one of the most common complaints, and nothing so disturbs the sleeper as cold feet. The foot-stone or water-bag, one on each side of the bed, within the bed and at the foot is the best known remedy for this common trouble. No fears of unhealthfulness of the practice need be entertained; it is a healthy and useful habit. The foot-stone or water-bag, one on each side of the bed, within the bed and at the foot is the best known remedy for this common trouble. No fears of unhealthfulness of the practice need be entertained; it is a healthy and useful habit.

**The Benefits of Early Rising.**

It was once laid down by a celebrated writer and historian that the difference between a man who rises at five in the morning and a man who rises at six in the morning is the difference of forty years. This consideration should carry very great weight, and be sufficient to induce those who are not in the habit of rising early to commence to do so. More especially the people who are always complaining that life is not long enough for them to transact all the work that they have to perform. There is much foundation for their complaint if they persist in wasting so many valuable hours of the day in bed. The advantages and benefits of early rising cannot be overestimated; in the early hours of the morning the brain is clearer and more ready for work, and after a night's sleep we should be ready to attack the work of the day.—New York Ledger.

**When People Catch Cold.**

The "cold spots," meaning thereby the surface areas peculiarly susceptible to cold are principally the nose, the neck and the lower part of the back of the head, the front of the abdomen, and the shins. The acute discomfort and the sense of impending disaster which results from the steady play of a current of cold air upon the neck from behind are well known. The necessity of keeping the abdomen warmly clad is also generally recognized, though perhaps not as generally carried into practice. Curiously enough few people are conscious of the danger they run by exposing the usually inadequately protected shins to currents of cold air. This is the usual way in which colds are caught on omnibuses. When driving one takes care to cover the legs with a rug or waterproof, but on the more democratic conveyance rugs are not available, and the reckless passenger by and by awakes to the fact that the iron has entered into his suit in other words, that he has "caught cold." People who wear stockings, such as Highlanders, golfers and cyclists, invariably take the precaution of running the thick woolen material down over the shins, the better to protect them against the loss of heat, though, incidentally, the artificial embellishment of the calves may not be altogether foreign to the manoeuvre. This is an instance of how all things work together for good. It does not, of course, follow, because certain areas are peculiarly susceptible to cold, that a chill may not be conveyed to the nervous system from other points. Prolonged sitting on a stone, or even on the damp grass, is well known to be a fertile source of disease; and wet, cold feet are also, with reason, credited with paving the way to an early grave.—The Lutheran World.

**Colds.**

A medical contributor to The Stockman has an excellent article on the above subject on which we make some extracts: "It is generally thought that colds are caused principally by sudden changes in temperature, sitting or standing in draughts or exposures of various kinds. While all of these things have more or less to do with one's contracting a cold, yet they do not constitute the primary cause. Exposure to sudden atmospheric changes simply favor the conditions that already exist in the body for the culmination of a cold. As long as one is in good health he will not contract a cold, no matter how extreme atmospheric changes may be, because a healthy body, properly clad, will quickly accommodate itself to such changes. Extreme exposure, of course,

predisposes to catching cold for the reason that it interferes with the workings of the various organs of the body. A cold is nothing more nor less than a poisoning of the blood due to a congested condition of the excretory and secretory organs of the body. The disagreeable symptoms accompanying a cold result from the effort nature makes to throw off the locked-up poisons in the blood.

"Bad air and bad food are potent agents in poisoning the blood and necessarily in producing colds. Inattention of the digestive organs is probably one of the most common predisposing causes to catching cold because when digestion is impaired the circulation of the blood is always affected and the blood is not thoroughly purified while passing through the lungs as it should be. A mere overloading of the stomach, too rapid eating or the consumption of bad or improperly prepared food is sufficient to impair digestion and greatly predispose to contracting colds. There are many persons who take cold very easily, and almost all of them will be found to have some impairment of the digestive organs.

"It should be an invariable rule with every one to eat in moderation and to partake of food that is the very best of food; to take an abundance of outdoor exercise; to dress so as to be comfortable; to ventilate sleeping rooms well and breathe good, pure air. By so doing one will not only take cold easily but will ward off other diseases and live longer. If, however, one is unfortunate enough to contract a cold there is no better remedy than a good Turkish bath, if attainable, followed by a ten-grain dose of quinine, will almost always break up a cold. In the absence of a Turkish bath, a hot foot bath containing mustard, accompanied by a hot potation while the feet are in the bath and a dose of quinine on retiring will break up almost any cold if taken within twelve or fifteen hours after the cold begins."

**Breathe for Healthfulness and Longevity.**

But some one will say: "I do breathe." Something over forty years ago I was acquainted with a lady who was fast declining with consumption, as it was supposed. She was sent to a sanitarium for treatment. The specialist diagnosed her case and told her to breathe. "Why, doctor, I do breathe," said she. "No," said he, "you only play breathe, as children say; take a long breath, fill your lungs as full as possible and retain your breath as long as possible." She tried it and then told the physician that a sharp pain pierced her lungs as soon as they were filled. "Ah!" said the doctor, "that is just what I expected. That proves that my diagnosis is correct."

Your lungs, for lack of employment, are fast refusing to be lungs at all. They are fast becoming ossified (turning to bone). You usually take only short breaths, and one part of your lungs is not filled at all. Take long breaths and hold them long. She was ordered no medicine, but learned to breathe, and in a few weeks she returned home cured of consumption, and she is alive yet, and she still knows how to breathe.—D. Howard.

(I would not say, hold your breath as long as possible. This might be carried to excess. A wise person says, empty the lungs, then taken in through the nose all the air possible and hold it while you count three. Repeat and hold air in lungs while you count four. Repeat and hold air while you count five—no more.—C. A. Green.)

**Diet as a Moral Agent.**

A food experiment is being made at the Elmira Reformatory, in New York State. A civilized nation, it is said, is no more than a collection of criminals in confinement; to sooner secure their release from legal restraint. A certain amount of time is always taken off for good behavior. The criminal has often been exhorted to this end by father, mother, sister, brother, and by others who had his interest at heart. His ambition, his future, his hope of quick release from confinement have been appealed to, and in many cases in vain. Now it is to the man's stomach that the appeal is to be made.

The proposed experiment contemplates, says the Medical Review, a somewhat enlarged scale of dietary privileges, increasing from grade to grade, from the lowest to the highest, so that within due and proper limit of indulgence of the appetite by prisoners in a prison reformatory, crime, they can, out of their own accumulations, have the privilege to select meals at their pleasure, provided always that they keep their expenditures within the limits of the reformatory. The prisoners, under the wage-earning system of the reformatory, as it is at present, must earn their living and keep a credit balance to their accounts, respectively, in order to progress toward their release by parole. A prisoner to maintain a credit balance, needs restraint, regulate and exert himself in a manner which accomplishes and shows his improvement; but hitherto the diet has been inflexible. It is believed that if more latitude is allowed, and the prisoner has a chance of tickling his palate occasionally with mince pie, a juicy roast or other home-like dainties, he will be more likely to make an extra effort to reform. In other words, if he has an inviting menu to choose from for breakfast, dinner and supper, he will get up and be a man.

**Black Currants.**

Many are the virtues of black currant jam and jelly. It was used by our grandmothers as gruel; it was given the children to eat when they had sore throats. A pitcherful of black currant tea, made by pouring boiling water over two or three tablespoonfuls of the jam sweetened or not according to taste, was always kept on hand in fever cases, and made a delightful cool and thirst-allaying drink. The jam was made by using three-quarters of a pound of sugar to a pound of fruit, and boiling over a slow fire till a little poured on a plate would set.—American Agriculturist.

**Kleffer Pears.**

One asks me to send him some of the above pears. They were all gone a month ago. How some men can keep them until winter I cannot tell. Think I know how to handle them, but they won't keep long. I was among the first to recommend this pear, although some of the knowing ones hooted at the idea, and said it was not fit to eat. Some five years ago a party wrote to me asking whether I would advise planting it largely, to which I replied yes, all you have room for. They planted 500 trees, and last year sold from those young trees \$600 worth of pears. There is no doubt that there were planted this fall as many Kleffer pear trees as all other varieties combined. It has become among pears what the Ben Davis is among apples as a market fruit. Even at my advanced age I am tempted to plant 1,000 trees of it.—Samuel Miller, Buffalo, Mo., in Rural World.

**Brief Notice, Bulletin 109.**

New York State Agricultural Experiment Station. Those who are interested in growing strawberries should read Bulletin 109 of the New York Experiment Station, Geneva, N. Y., by Wendell Paddock. It contains an unprejudiced report on the large number of new varieties which are being tested at this Station. Promising new varieties are especially mentioned and lists of early and of late kinds are given. It also contains a summary of previous reports on several varieties which have been tested more than two years.

**He Knew How.**

A baby beaver was caught and given to a gentleman as a pet. Beavers, as you know, build dams in which they can make their houses. But here was this poor baby living in a house where there was no possibility of his having the kind of home that he would have to have. One day when the little beaver was in the kitchen, a leaky pail was put on the floor. The moment the baby beaver saw the water running in a little stream across the floor he ran out in the yard, and appeared in a minute with a chip. The gentleman who owned the beaver was called to see him. The chip was placed in such a way as to stop the water, and the beaver hurried out and came in with another bit of wood, and then some mud. Orders were given that the beaver was not to be disturbed, but allowed to work out his plan; and in four weeks he had built a solid dam around the pail in which the water was. The Outlook, New York.

**Hedge Plants.**

Hedges for protection are not as common as they might be. They are not only beautiful in themselves, but, if properly managed, are cheaper than any fence—except a stone wall. There are numerous instances of well-cared-for osage orange and honey locust hedges being kept in first-rate condition for half a century, and there is no reason to believe that they will not last for nearly as long again. They have to be annually trimmed, and, indeed, are the better for two trimmings a year; but one who understands this will get over the work so rapidly, that it takes little more time than it would to give the annual white-washing to an ordinary fence. When the expression "white wash" is used, it simply means that the cutting must always be of such a character that the bottom of the hedge is left the widest part.—Meehan's Monthly.

**Louder Raspberry.**

I went to the grounds of Mr. Loudon, at Janesville, Wis., where it originated, and when the fruit was ripe. After spending nearly two days examining it on different soils, and consulting Prof. Goff, who is very conservative, and in a few weeks he returned home cured of consumption, and she is alive yet, and she still knows how to breathe.—D. Howard.

"My hands are awfully cold," said the pretty girl, suggestively, as they drove home from the dance. "Why didn't you bring a muff with you?" asked the practical young man, professionally. "I did!" she snapped, but she wouldn't explain where the muff had gone to, and he has been wondering ever since just what she meant.

**Young and Foolish.**

Do you remember, little wife, how years ago we two together saw night but love illumine life in sunny days or winter weather? Do you recall in younger years To part a day was bitter pain? Love's light was hid in clouds of tears Till meeting cleared the sky again.

Do you remember how we two Would stare into each other's eyes Till all the earth grew heavenly blue? Love's light was hid in clouds of tears Till meeting cleared the sky again.

And now—oh, nonsense, let us tell A fit for laugh of mirth or merriment. We're not your blushing, I'll not. Well—We're ten times wiser than we were then.

**Swiss Mountains.**

Mountain ranges are mere wrinkles on the surface of the earth. Scientifically, we measure these wrinkles by finding out how high they are above the sea level. There are two classes of mountains—the table and the folded mountains. As to the individual points or peaks, which are the highest, they are of two classes, those which are volcanic and those which have defied weathering or denudation. Mountain ranges of direct volcanic action are rare in Switzerland, those of Hohzu, near the Lake of Constance, being the only representatives. When the country was raised above the sea there was a natural slope toward the oceans, and the water from the melted snows or the rivers cut through the land. The water shed then was plowed by these streams.

**Whipping Baldy Horses.**

Notwithstanding the fact that the press continually admonishes whom it may concern that it does no good to whip a baldy horse, almost every owner or driver of one does it to-day. It is probably the greatest piece of horse folly in existence. It is not a remnant of barbarism, but it is continued barbarity, and brings out what original sin there is in a man.

The brain of a horse can retain but one idea at a time. If the idea is to walk, whipping only intensifies it. A change of idea, then, is the only successful method of management. This may be accomplished in scores of ways, a few of which are here named:

Tie a handkerchief about his eyes; tie his tail to the bellyband or back-band; fasten a stick in his mouth; tie a cord tight around his legs; keep his nostrils shut his wind off; tell him he wants to go; unhitch him from the vehicle and then hitch him up again, or almost any way to get his mind on something else.

Whipping or scolding always does harm. The treatment should always be gentle. There are more baldy drivers than horses.—National Stockman.

**Root Grafted Apple Trees.**

J. L. M. Wintersville, Ind.—What are the advantages in root-grafted apple trees over bud grafted trees?

Answer: To grow apples trees successfully from grafted apple roots, requires considerable experience. Experienced nurserymen often fail in securing a good stand from grafted roots; therefore, they practice budding more generally every year. Perhaps the greatest inducement for nurserymen to plant grafted apple roots is that they can graft them during the leisure of winter, thus keeping men employed who would otherwise be idle. A novice might succeed with these grafted roots, or he might not. At present, the price of first-class apple trees suitable for planting in orchards is as low as they possibly can be produced. It would seem to be unwise to take the chances in planting that which is so uncertain in results. Grafted apple roots, in order to succeed well, should be planted early in the spring, on rich soil that does not harden. On stiff, clayey soil, they will not succeed. They should be planted deep so that only one bud appears above ground. The soil should be packed about them as closely as about cuttings, and they must receive careful culture, the first year especially.—Chas. A. Green, in Rural New Yorker.

**A Time to Laugh.**

"My hands are awfully cold," said the pretty girl, suggestively, as they drove home from the dance. "Why didn't you bring a muff with you?" asked the practical young man, professionally.

"I did!" she snapped, but she wouldn't explain where the muff had gone to, and he has been wondering ever since just what she meant.

A ticket seller in a theater owned a parrot that learned to exclaim: "One at a time, gentlemen! One at a time, please!" for this sentence was constantly in the mouth of his master. The ticket man went to the country for a summer vacation and took the parrot with him. One day the bird got out of his cage and disappeared. Toward evening he was found despoiled of half his feathers sitting far out on the limb of a tree, while a dozen crows were picking at him. The poor parrot, with his back humped up, was edging away and constantly exclaiming: "One at a time, gentlemen, one at a time, please!"

An old lady went on board Nelson's flag ship, the Victory. On reaching the spot where the great naval hero was wounded (which is marked by a raised brass plate) the officer remarked to her: "Here Nelson fell!" "And no wonder!" exclaimed the old lady, "I nearly fell there myself!"

"These gloves are not the latest style," she asked. "Yes, madam," replied the clerk. "We have and them in stock only two days." "I didn't think they were because the fashion paper says black kids have tan stitches and vice versa. I see the tan stitches but not the vice versa." The clerk explained that vice versa was French for seven buttons, so she bought three pairs.

Maud Muller on a summer's day, raked the meadow, sweet with hay. A summer boarder, whose words were fair, she married, and went away from there. And she wished she'd remained where she saw her mistake, wed to that other kind of rake.—American Agriculturist.

**Cherries in Russia.**

Professor Hansen, of Iowa, who has been traveling in Russia, writes that he has seen many fine cherry orchards of the Vladimir cherries. They come mainly from a district 100 miles east of Moscow, where immense tracts are planted with this cherry. The fruit is shipped by carloads from these far northern cherry orchards to all parts of European Russia and in Asia.

"On the sparrow hills, which are merely bluffs south of the city of Moscow, I also found large orchards of a cherry closely resembling the Vladimir. The Vladimir is as large or larger than Early Richmond, with a small pit, is black in color, with highly-colored juice, quite firm flesh, and of delicious quality. It would be called a notable fruit at any point in America. The cherries are packed in boxes, about fifteen pounds. It is propagated by sprouts and sometimes by seeds, as it is an established tree and comes nearly true from the pit. The trees may be called large bushes as grown here. Often they are grown with several stems like a bush. They are grown on the renewal plan, as experts grow the cherries on a cherry rootstock, but with the bush-cherry the old wood is cut at longer intervals of from eight to ten years. These bush-cherry orchards are a source of great profit."

**Hints to Fruit Growers.**

—Blackberries are a profitable fruit and may be grown with little labor on almost every farm.

—Never crowd the orchard. Trees should have room to grow; they need plenty of ground and free sun.

—In setting out an orchard confine yourself to a few well selected varieties of each fruit; as you become experienced you can add new ones.

—It pays to set out shade trees around the orchard to protect the trees from storms; they also assist greatly in beautifying the premises.

—If you have any policy to depend on a single crop, failure is apt to come, and it is most disastrous to the man who has placed all his hopes on one crop.

—Don't imagine that to have a profitable orchard all you have to do is to buy trees, plant them and afterwards allow them to take their own chances.

—There are two dangerous extremes in the selection of varieties for the orchard. The one is the liability of selecting too few, and the other too many. You can strike the medium if you observe carefully the success of other people.

—Every fruit grower ought by this time to know all about the copper solution for fungus diseases. The usual mixture is six pounds of copper sulphate and four pounds of lime to twenty-two gallons of water. Sprayers are so numerous that it is difficult to name any one that is better than another.

—Pruning has a tendency to heighten the color of red apples and to give a bluish to the light skinned sorts. This is due largely to the effect upon the foliage. It must be considered that the foliage is the lung of the tree, and without good, healthy foliage we cannot reasonably expect bright, healthy looking fruit. When the foliage is healthy, the apples will hang longer on the trees, giving them more time to mature, so as to bring them to the highest state of perfection.—Montana Fruit Grower.

**Last Season's Experience With Fruit.**

Our land here lies immediately on the western margin of Lake Ontario, the influence of which appears to make vegetation at least ten days more backward than on land even half a mile further back. This told largely in our favor when the sharp frosts between May 13th and 22nd (on four nights of which the thermometer fell from the ground, dropped to 25 degrees, 29 degrees, 27 degrees and 29 degrees) came upon us; as our apple, pear and plum trees and grape vines suffered less than those even a short distance inland, where the crops were almost entirely destroyed owing to their more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum trees the blossom afterwards opened apparently all right, but close inspection of the more exposed showed many of the fertilizing organs blackened, thus thinning the crop considerably. Though a sheltered block of Lombard plum trees and more advanced state. On our pear and plum















until June 1st

special attention to the following statements:

Man's State.

I was almost totally deaf 25 years; could not hear a steam whistle, had to carry a slate so that people could "talk" to me. In one week after commencing Aerial Medication, surprised my friends by discarding the slate. I steadily improved, and now can hear the whistle and understand conversation perfectly. E. Williams, Lead, S. D.

I. H. Hoskins, Reed, Tex.

her's Experience

While teaching a country school twelve years ago, I took Catarrh in its worst form, which almost made a physical wreck of me. In '92 I had Catarrh, was followed by a very bad cough, free expectoration, loss of weight and strength, advised change of climate, but failed to do so. Aerial Medication, however, brought me back to health, and for three years have had health that belonged to me. Richard Osborn, Brazil, Ind.

'92, Well in '96

years ago I had my head, had years, hearing my years could not hear a steam whistle, had to carry a slate so that people could "talk" to me. In one week after commencing Aerial Medication, surprised my friends by discarding the slate. I steadily improved, and now can hear the whistle and understand conversation perfectly. E. Williams, Lead, S. D.

ical free offer below.

I had felled Catarrh in its worst form, the discharge from my head was profuse and very offensive, health very much impaired; a bad cough, loss of weight and strength caused my family and friends to believe I had consumption. Used Aerial Medication in 1897. It for nine years I have been from Catarrh, and my health is good. A. G. Freeman, Parker's Lake, Ky.

dition and I

the thou-

to be ar-

and bit

had La-

back and

been most

heard of your

equal. I can speak in the

of Aerial Medication.

ness, Catarrh, Throat and

will, for a short time,

for three months' treat-

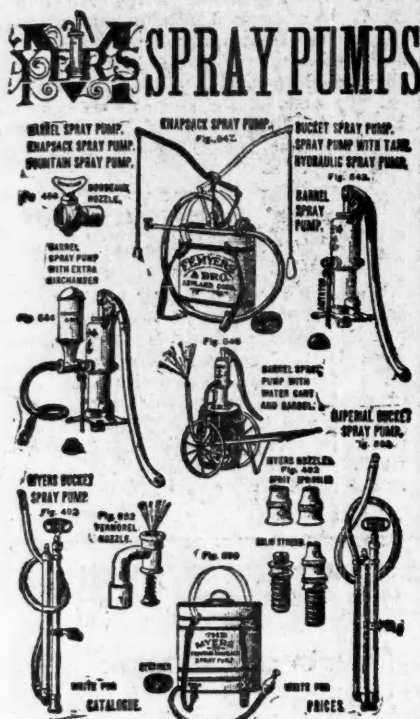
Dr. Moore's

of this paper has reliable

Dr. Moore is a reputable

him at once and investigate

Green's Fruit Grower.



E. E. BROS. ASHLAND, O.

Please mention Green's Fruit Grower.

SPRAY PUMPS

YOUR FRUIT TREES & VINES

Wormy Fruit and Leaf Blight of Apples, Pear, Cherries, and Plums, prevented, also Grapes and Potato Rot, by spraying with E. E. Bros. Double Acting Expectorant. Catalogue, describing all insects injurious to fruit, mailed free. Address Wm. Stahl, Quincy, Ill.

PROFIT IN FRUIT

DEPENDS LARGELY UPON THE EMPLOYMENT OF BETTER METHODS.

SPRAYING HELPS AMAZINGLY.

We make everything used for SPRAYING and tell all about it in our Book on SPRAYING. Formulas for insecticides; when and how to spray—FREE.

THE COULDS MFG. CO.

1010 1/2 St. SENECA FALLS, N. Y.

SPRAY PUMPS

WE MANUFACTURE

Our Spray Pumps and Nozzles are used by the expert fruit growers and all leading horticulturists. The best fruit and berries can only be produced by spraying. One year's Best Fruit. 88 Page Book on SPRAYING, FREE. Address THE COULDS MFG. CO., SENECA FALLS, N. Y.

PUMPS FOR ALL PURPOSES

Our Spray Pumps and Nozzles are used by the expert fruit growers and all leading horticulturists. The best fruit and berries can only be produced by spraying. One year's Best Fruit. 88 Page Book on SPRAYING, FREE. Address THE COULDS MFG. CO., SENECA FALLS, N. Y.

DAISY SPRAYERS

Best for orchard, garden, home. Contains one stream, 100 feet high. Full capacity. Price, \$2.50. No. 1, \$1.50. No. 2, \$2.00. No. 3, \$2.50. No. 4, \$3.00. No. 5, \$3.50. No. 6, \$4.00. No. 7, \$4.50. No. 8, \$5.00. No. 9, \$5.50. No. 10, \$6.00. No. 11, \$6.50. No. 12, \$7.00. No. 13, \$7.50. No. 14, \$8.00. No. 15, \$8.50. No. 16, \$9.00. No. 17, \$9.50. No. 18, \$10.00. No. 19, \$10.50. No. 20, \$11.00. No. 21, \$11.50. No. 22, \$12.00. No. 23, \$12.50. No. 24, \$13.00. No. 25, \$13.50. No. 26, \$14.00. No. 27, \$14.50. No. 28, \$15.00. No. 29, \$15.50. No. 30, \$16.00. No. 31, \$16.50. No. 32, \$17.00. No. 33, \$17.50. No. 34, \$18.00. No. 35, \$18.50. No. 36, \$19.00. No. 37, \$19.50. No. 38, \$20.00. No. 39, \$20.50. No. 40, \$21.00. No. 41, \$21.50. No. 42, \$22.00. No. 43, \$22.50. No. 44, \$23.00. No. 45, \$23.50. No. 46, \$24.00. No. 47, \$24.50. No. 48, \$25.00. No. 49, \$25.50. No. 50, \$26.00. No. 51, \$26.50. No. 52, \$27.00. No. 53, \$27.50. No. 54, \$28.00. No. 55, \$28.50. No. 56, \$29.00. No. 57, \$29.50. No. 58, \$30.00. No. 59, \$30.50. No. 60, \$31.00. No. 61, \$31.50. No. 62, \$32.00. No. 63, \$32.50. No. 64, \$33.00. No. 65, \$33.50. No. 66, \$34.00. No. 67, \$34.50. No. 68, \$35.00. No. 69, \$35.50. No. 70, \$36.00. No. 71, \$36.50. No. 72, \$37.00. No. 73, \$37.50. No. 74, \$38.00. No. 75, \$38.50. No. 76, \$39.00. No. 77, \$39.50. No. 78, \$40.00. No. 79, \$40.50. No. 80, \$41.00. No. 81, \$41.50. No. 82, \$42.00. No. 83, \$42.50. No. 84, \$43.00. No. 85, \$43.50. No. 86, \$44.00. No. 87, \$44.50. No. 88, \$45.00. No. 89, \$45.50. No. 90, \$46.00. No. 91, \$46.50. No. 92, \$47.00. No. 93, \$47.50. No. 94, \$48.00. No. 95, \$48.50. No. 96, \$49.00. No. 97, \$49.50. No. 98, \$50.00. No. 99, \$50.50. No. 100, \$51.00. No. 101, \$51.50. No. 102, \$52.00. No. 103, \$52.50. No. 104, \$53.00. No. 105, \$53.50. No. 106, \$54.00. No. 107, \$54.50. No. 108, \$55.00. No. 109, \$55.50. No. 110, \$56.00. No. 111, \$56.50. No. 112, \$57.00. No. 113, \$57.50. No. 114, \$58.00. No. 115, \$58.50. No. 116, \$59.00. No. 117, \$59.50. No. 118, \$60.00. No. 119, \$60.50. No. 120, \$61.00. No. 121, \$61.50. No. 122, \$62.00. No. 123, \$62.50. No. 124, \$63.00. No. 125, \$63.50. No. 126, \$64.00. No. 127, \$64.50. No. 128, \$65.00. No. 129, \$65.50. No. 130, \$66.00. No. 131, \$66.50. No. 132, \$67.00. No. 133, \$67.50. No. 134, \$68.00. No. 135, \$68.50. No. 136, \$69.00. No. 137, \$69.50. No. 138, \$70.00. No. 139, \$70.50. No. 140, \$71.00. No. 141, \$71.50. No. 142, \$72.00. No. 143, \$72.50. No. 144, \$73.00. No. 145, \$73.50. No. 146, \$74.00. No. 147, \$74.50. No. 148, \$75.00. No. 149, \$75.50. No. 150, \$76.00. No. 151, \$76.50. No. 152, \$77.00. No. 153, \$77.50. No. 154, \$78.00. No. 155, \$78.50. No. 156, \$79.00. No. 157, \$79.50. No. 158, \$80.00. No. 159, \$80.50. No. 160, \$81.00. No. 161, \$81.50. No. 162, \$82.00. No. 163, \$82.50. No. 164, \$83.00. No. 165, \$83.50. No. 166, \$84.00. No. 167, \$84.50. No. 168, \$85.00. No. 169, \$85.50. No. 170, \$86.00. No. 171, \$86.50. No. 172, \$87.00. No. 173, \$87.50. No. 174, \$88.00. No. 175, \$88.50. No. 176, \$89.00. No. 177, \$89.50. No. 178, \$90.00. No. 179, \$90.50. No. 180, \$91.00. No. 181, \$91.50. No. 182, \$92.00. No. 183, \$92.50. No. 184, \$93.00. No. 185, \$93.50. No. 186, \$94.00. No. 187, \$94.50. No. 188, \$95.00. No. 189, \$95.50. No. 190, \$96.00. No. 191, \$96.50. No. 192, \$97.00. No. 193, \$97.50. No. 194, \$98.00. No. 195, \$98.50. No. 196, \$99.00. No. 197, \$99.50. No. 198, \$100.00. No. 199, \$100.50. No. 200, \$101.00. No. 201, \$101.50. No. 202, \$102.00. No. 203, \$102.50. No. 204, \$103.00. No. 205, \$103.50. No. 206, \$104.00. No. 207, \$104.50. No. 208, \$105.00. No. 209, \$105.50. No. 210, \$106.00. No. 211, \$106.50. No. 212, \$107.00. No. 213, \$107.50. No. 214, \$108.00. No. 215, \$108.50. No. 216, \$109.00. No. 217, \$109.50. No. 218, \$110.00. No. 219, \$110.50. No. 220, \$111.00. No. 221, \$111.50. No. 222, \$112.00. No. 223, \$112.50. No. 224, \$113.00. No. 225, \$113.50. No. 226, \$114.00. No. 227, \$114.50. No. 228, \$115.00. No. 229, \$115.50. No. 230, \$116.00. No. 231, \$116.50. No. 232, \$117.00. No. 233, \$117.50. No. 234, \$118.00. No. 235, \$118.50. No. 236, \$119.00. No. 237, \$119.50. No. 238, \$120.00. No. 239, \$120.50. No. 240, \$121.00. No. 241, \$121.50. No. 242, \$122.00. No. 243, \$122.50. No. 244, \$123.00. No. 245, \$123.50. No. 246, \$124.00. No. 247, \$124.50. No. 248, \$125.00. No. 249, \$125.50. No. 250, \$126.00. No. 251, \$126.50. No. 252, \$127.00. No. 253, \$127.50. No. 254, \$128.00. No. 255, \$128.50. No. 256, \$129.00. No. 257, \$129.50. No. 258, \$130.00. No. 259, \$130.50. No. 260, \$131.00. No. 261, \$131.50. No. 262, \$132.00. No. 263, \$132.50. No. 264, \$133.00. No. 265, \$133.50. No. 266, \$134.00. No. 267, \$134.50. No. 268, \$135.00. No. 269, \$135.50. No. 270, \$136.00. No. 271, \$136.50. No. 272, \$137.00. No. 273, \$137.50. No. 274, \$138.00. No. 275, \$138.50. No. 276, \$139.00. No. 277, \$139.50. No. 278, \$140.00. No. 279, \$140.50. No. 280, \$141.00. No. 281, \$141.50. No. 282, \$142.00. No. 283, \$142.50. No. 284, \$143.00. No. 285, \$143.50. No. 286, \$144.00. No. 287, \$144.50. No. 288, \$145.00. No. 289, \$145.50. No. 290, \$146.00. No. 291, \$146.50. No. 292, \$147.00. No. 293, \$147.50. No. 294, \$148.00. No. 295, \$148.50. No. 296, \$149.00. No. 297, \$149.50. No. 298, \$150.00. No. 299, \$150.50. No. 300, \$151.00. No. 301, \$151.50. No. 302, \$152.00. No. 303, \$152.50. No. 304, \$153.00. No. 305, \$153.50. No. 306, \$154.00. No. 307, \$154.50. No. 308, \$155.00. No. 309, \$155.50. No. 310, \$156.00. No. 311, \$156.50. No. 312, \$157.00. No. 313, \$157.50. No. 314, \$158.00. No. 315, \$158.50. No. 316, \$159.00. No. 317, \$159.50. No. 318, \$160.00. No. 319, \$160.50. No. 320, \$161.00. No. 321, \$161.50. No. 322, \$162.00. No. 323, \$162.50. No. 324, \$163.00. No. 325, \$163.50. No. 326, \$164.00. No. 327, \$164.50. No. 328, \$165.00. No. 329, \$165.50. No. 330, \$166.00. No. 331, \$166.50. No. 332, \$167.00. No. 333, \$167.50. No. 334, \$168.00. No. 335, \$168.50. No. 336, \$169.00. No. 337, \$169.50. No. 338, \$170.00. No. 339, \$170.50. No. 340, \$171.00. No. 341, \$171.50. No. 342, \$172.00. No. 343, \$172.50. No. 344, \$173.00. No. 345, \$173.50. No. 346, \$174.00. No. 347, \$174.50. No. 348, \$175.00. No. 349, \$175.50. No. 350, \$176.00. No. 351, \$176.50. No. 352, \$177.00. No. 353, \$177.50. No. 354, \$178.00. No. 355, \$178.50. No. 356, \$179.00. No. 357, \$179.50. No. 358, \$180.00. No. 359, \$180.50. No. 360, \$181.00. No. 361, \$181.50. No. 362, \$182.00. No. 363, \$182.50. No. 364, \$183.00. No. 365, \$183.50. No. 366, \$184.00. No. 367, \$184.50. No. 368, \$185.00. No. 369, \$185.50. No. 370, \$186.00. No. 371, \$186.50. No. 372, \$187.00. No. 373, \$187.50. No. 374, \$188.00. No. 375, \$188.50. No. 376, \$189.00. No. 377, \$189.50. No. 378, \$190.00. No. 379, \$190.50. No. 380, \$191.00. No. 381, \$191.50. No. 382, \$192.00. No. 383, \$192.50. No. 384, \$193.00. No. 385, \$193.50. No. 386, \$194.00. No. 387, \$194.50. No. 388, \$195.00. No. 389, \$195.50. No. 390, \$196.00. No. 391, \$196.50. No. 392, \$197.00. No. 393, \$197.50. No. 394, \$198.00. No. 395, \$198.50. No. 396, \$199.00. No. 397, \$199.50. No. 398, \$200.00. No. 399, \$200.50. No. 400, \$201.00. No. 401, \$201.50. No. 402, \$202.00. No. 403, \$202.50. No. 404, \$203.00. No. 405, \$203.50. No. 406, \$204.00. No. 407, \$204.50. No. 408, \$205.00. No. 409, \$205.50. No. 410, \$206.00. No. 411, \$206.50. No. 412, \$207.00. No. 413, \$207.50. No. 414, \$208.00. No. 415, \$208.50. No. 416, \$209.00. No. 417, \$209.50. No. 418, \$210.00. No. 419, \$210.50. No. 420, \$211.00. No. 421, \$211.50. No. 422, \$212.00. No. 423, \$212.50. No. 424, \$213.00. No. 425, \$213.50. No. 426, \$214.00. No. 427, \$214.50. No. 428, \$215.00. No. 429, \$215.50. No. 430, \$216.00. No. 431, \$216.50. No. 432, \$217.00. No. 433, \$217.50. No. 434, \$218.00. No. 435, \$218.50. No. 436, \$219.00. No. 437, \$219.50. No. 438, \$220.00. No. 439, \$220.50. No. 440, \$221.00. No. 441, \$221.50. No. 442, \$222.00. No. 443, \$222.50. No. 444, \$223.00. No. 445, \$223.50. No. 446, \$224.00. No. 447, \$224.50. No. 448, \$225.00. No. 449, \$225.50. No. 450, \$226.00. No. 451, \$226.50. No. 452, \$227.00. No. 453, \$227.50. No. 454, \$228.00. No. 455, \$228.50. No. 456, \$229.00. No. 457, \$229.50. No. 458, \$230.00. No. 459, \$230.50. No. 460, \$231.00. No. 461, \$231.50. No. 462, \$232.00. No. 463, \$232.50. No. 464, \$233.00. No. 465, \$233.50. No. 466, \$234.00. No. 467, \$234.50. No. 468, \$235.00. No. 469, \$235.50. No. 470, \$236.00. No. 471, \$236.50. No. 472, \$237.00. No. 473, \$237.50. No. 474, \$238.00. No. 475, \$238.50. No. 476, \$239.00. No. 477, \$239.50. No. 478, \$240.00. No. 479, \$240.50. No. 480, \$241.00. No. 481, \$241.50. No. 482, \$242.00. No. 483, \$242.50. No. 484, \$243.00. No. 485, \$243.50. No. 486, \$244.00. No. 487, \$244.50. No. 488, \$245.00. No. 489, \$245.50. No. 490, \$246.00. No. 491, \$246.50. No. 492, \$247.00. No. 493, \$247.50. No. 494, \$248.00. No. 495, \$248.50. No. 496, \$249.00. No. 497, \$249.50. No. 498, \$250.00. No. 499, \$250.50. No. 500, \$251.00. No. 501, \$251.50. No. 502, \$252.00. No. 503, \$252.50. No. 504, \$253.00. No. 505, \$253.50. No. 506, \$254.00. No. 507, \$254.50. No. 508, \$255.00. No. 509, \$255.50. No. 510, \$256.00. No. 511, \$256.50. No. 512, \$257.00. No. 513, \$257.50. No. 514, \$258.00. No. 515, \$258.50. No. 516, \$259.00. No. 517, \$259.50. No. 518, \$260.00. No. 519, \$260.50. No. 520, \$261.00. No. 521, \$261.50. No. 522, \$262.00. No. 523, \$262.50. No. 524, \$263.00. No. 525, \$263.50. No. 526, \$264.00. No. 527, \$264.50. No. 528, \$265.00. No. 529, \$265.50. No. 530, \$266.00. No. 531, \$266.50. No. 532, \$267.00. No. 533, \$267.50. No. 534, \$268.00. No. 535, \$268.50. No. 536, \$269.00. No. 537, \$269.50. No. 538, \$270.00. No. 539, \$270.50. No. 540, \$271.00. No. 541, \$271.50. No. 542, \$272.00. No. 543, \$272.50. No. 544, \$273.00. No. 545, \$273.50. No. 546, \$274.00. No. 547, \$274.50. No. 548, \$275.00. No. 549, \$275.50. No. 550, \$276.00. No. 551, \$276.50. No. 552, \$277.00. No. 553, \$277.50. No. 554, \$278.00. No. 555, \$278.50. No. 556, \$279.00. No. 557, \$279.50. No. 558, \$280.00. No. 559, \$280.50. No. 560, \$281.00. No. 561, \$281.50. No. 562, \$282.00. No. 563, \$282.50. No. 564, \$283.00. No. 565, \$283.50. No. 566, \$284.00. No. 567, \$284.50. No. 568, \$285.00. No. 569, \$285.50. No. 570, \$286.00. No. 571, \$286.50. No. 572, \$287.00. No. 573, \$287.50. No. 574, \$288.00. No. 575, \$288.50. No. 576, \$289.00. No. 577, \$289.50. No. 578, \$290.00. No. 579, \$290.50. No. 580, \$291.00. No. 581, \$291.50. No. 582, \$292.00. No. 583, \$292.50. No. 584, \$293.00. No. 585, \$293.50. No. 586, \$294.00. No. 587, \$294.50. No. 588, \$295.00. No. 589, \$295.50. No. 590, \$296.00. No. 591, \$296.50. No. 592, \$297.00. No. 593, \$297.50. No. 594, \$298.00. No. 595, \$298.50. No. 596, \$299.00. No. 597, \$299.50. No. 598, \$300.00. No. 599, \$300.50. No. 600, \$301.00. No. 601, \$301.50. No. 602, \$302.00. No. 603, \$302.50. No. 604, \$303.00. No. 605, \$303.50. No. 606, \$304.00. No. 607, \$304.50. No. 608, \$305.00. No. 609, \$305.50. No. 610, \$306.00. No. 611, \$306.50. No. 612, \$307.00. No. 613, \$307.50. No. 614, \$308.00. No. 615, \$308.50. No. 616, \$309.00. No. 617, \$309.50. No. 618, \$310.00. No. 619, \$310.50. No. 620, \$311.00. No. 621, \$311.50. No. 622, \$312.00. No. 623, \$312.50. No. 624, \$313.00. No. 625, \$313.50. No. 626, \$314.00. No. 627, \$314.50. No. 628, \$315.00. No. 629, \$315.50. No. 630, \$316.00. No. 631, \$316.50. No. 632, \$317.00. No. 633, \$317.50. No. 634, \$318.00. No. 635, \$318.50. No. 636, \$319.00. No. 637, \$319.50. No. 638, \$320.00. No. 639, \$320.50. No. 640, \$321.00. No. 641, \$321.50. No. 642, \$322.00. No. 643, \$322.50. No. 644, \$323.00. No. 645, \$323.50. No. 646, \$324.00. No. 647, \$324.50. No. 648, \$325.00. No. 649, \$325.50. No. 650, \$326.00. No. 651, \$326.50. No. 652, \$327.00. No. 653, \$327.50. No. 654, \$328.00. No. 655, \$328.50. No. 656, \$329.00. No. 657, \$329.50. No. 658, \$330.00. No. 659, \$330.50. No. 660, \$331.00. No. 661, \$331.50. No. 662, \$332.00. No. 663, \$332.50. No. 664, \$333.00. No. 665, \$333.50. No. 666, \$334.00. No. 667, \$334.50. No. 668, \$335.00. No. 669, \$335.50. No. 670, \$336.00. No. 671, \$336.50. No. 672, \$337.00. No. 673, \$337.50. No. 674, \$338.00. No. 675, \$338.50. No. 676, \$339.00. No. 677, \$339.50. No. 678, \$340.00. No. 679



















# More Potash in the fertilizers applied on the farm means larger and better yields of crops, permanent improvement of the soil and More Money in the farmer's pocket.

All about Potash—the results of its use by actual experiment on the best farms in the United States—is told in a little book which we publish and will gladly mail free to any farmer in America who will write for it.

GERMAN KALI WORKS,  
93 Nassau St., New York.  
Please mention Green's Fruit Grower.

THE CLUB and GRANGE  
FERTILIZER CO.  
SYRACUSE, N. Y.  
NO MIDDLEMEN  
WE SELL  
FARMERS  
DIRECT  
Send for the Little Leaf  
WHERE THE PROFITS  
-- GO --

## STRAWBERRY

**RUNNER CUTTER.**  
A scientific and practical  
invention of the greatest  
importance to strawberry  
growers. Automatically  
gathers and cuts off the runners  
from the plants as fast as  
you walk along the row. By  
its use methods of culture  
can be followed which  
reduce labor fully one-half.  
Raising large, high-colored  
berries, independent  
of the drought, thus giving  
users of this tool a  
great advantage over  
their competitors. All  
about it in circulars,  
sent free.

Address  
THE CARTER  
MFG. CO.,  
JACKSON, MICH.  
Please mention Green's Fruit Grower.

## HAVE YOU SEEN THE FARMER'S VOICE?

In its new design and noted fact that it  
is everywhere becoming recognized, that it is  
one of the leaders in all matters that relate to  
agriculture and the home?

Did You Know  
That its numerous departments are edited by  
men who combine a scientific and practical  
knowledge of the respective lines upon which  
they write?

If You Haven't  
Seen or Read It  
Send at once for a FREE Sample Copy, and  
get the handsomely illustrated and the  
farmer's household, ever present, and for 30 cents  
for a three-month trial subscription.

As an Advertising Medium  
The Farmer's Voice is Unexcelled.

THE FARMER'S VOICE,  
334 DEARBORN ST. CHICAGO.

Please mention Green's Fruit Grower.

**BUY  
BERRY  
BOXES**  
of  
22-page Illustrated Catalogue  
for \$5.00 mailed FREE.

THE STANDARD  
BERRY PACKAGE OF THE WORLD  
Climate Baskets for Peaches, Grapes and Melons  
Please mention Green's Fruit Grower.

**Canada Unleashed Hard  
WOOD ASHES**  
Screened and in store, ready for shipment on  
short notice, in carload lots of 15 to 20 tons. The  
firm of Munroe & Co., Inc., has been dissolved  
and I, the senior member, continue the Ash Business.  
For prices and other information apply to  
GEO. L. MUNROE OSWEGO, N. Y.

Warranted the  
Best Practical  
Machine Made

**BENNETT'S IMPROVED  
STUMP PULLER.**  
Sent anywhere in the U.S.  
ON THREE DAYS' TRIAL  
Screen, cable and hand power  
3 styles sizes, \$25 to \$150  
Cat. with 1000 Rec. Free  
H. L. Bennett & Co.  
WESTERVILLE, O.

Please mention Green's Fruit Grower.

**A NEW BOOK**  
On Knitting and Crocheting containing  
725 new and original designs for Shawls,  
Hoods, Jackets, Caps, Mittens and Lace Pat-  
terns. 600 pages, 50 illustrations, 100  
illustrations, only \$1.50 we will send one of these books and  
three more for 50 cents. On receipt of \$1.00  
we will send you a family journal containing  
stories, funny news, fashions, illustrations,  
The Home, The Home, The Home.

Please mention Green's Fruit Grower.

**TRY IT FREE**  
For 30 days in your own home and  
save \$10 to \$20. No money in advance.  
Send for the book and the trial sample  
\$10 Arlington Machine for \$15.00  
\$100 Machine for \$100.00. On receipt of \$1.00  
and 27 other styles. All styles made  
in the factory. Save agents large profits.  
Write at once for the book and the trial sample.  
505-164 West Van Buren St., St. Louis, Mo.

Please mention Green's Fruit Grower.

**FREE!** This beautiful Improved  
ring made of Pure Gold  
and with setting of brilliant  
representing colorless, has been  
made of one piece of gold. On receipt of \$1.00  
and 27 other styles. All styles made  
in the factory. Save agents large profits.  
Write at once for the book and the trial sample.  
505-164 West Van Buren St., St. Louis, Mo.

Please mention Green's Fruit Grower.

**STRAWBERRY PLANTS FOR SALE**  
also all kinds of small Fruit Plants, Blackberry,  
Black and Red Raspberry all well rooted plants  
grown on rich sandy soil, all plants warranted to be  
true to name. Send for price list and instructions  
how to plant and take care of plants.  
S. MAUDSLAY, Bridgman, Mich.

## VAN DEMAN PAPERS.

Styles of Orchard Planting.

Written for Green's Fruit Grower  
by our Regular Contributor, Prof. H. E. Van  
Deman, Late United States Pomologist.

He who intends planting an orchard should first carefully consider the whole matter of how to do it. One of the most important things is how far apart to plant the trees of the different kinds. It is fruit that we want when we plant an orchard, and the most and the best of it that it is possible to get on a given space. If it was timber for which the trees were being grown, they would necessarily be planted closer than for fruit, so that the upper parts of the trees would develop and not the side branches. A fruit tree requires more room in proportion to the size than a forest tree. We want it to have the full benefits of all the sunlight it can get, from top to bottom, so the branches, leaves and fruit will attain their fullest development. At first the trees will not need all the space allotted to them, that is, those that are planted far enough apart to not crowd each other when they are big; therefore, if we can properly use the intervening spaces without hurting, or in any way hindering the growth of the trees it is so much gained.

Each tree is often planted between apple trees for this purpose. I have done it, but do not like it. The peach trees are of quicker and more rampant growth and rob the apple trees to some extent. Dwarf pear trees are set in apple orchards sometimes, but this is objectionable; because the pear trees often need very different treatment from the apple trees, owing to their greater proneness to blight; and then, if planted deeply they will send out pear roots and live usefully long after the apple trees are dead. Apple trees are sometimes planted between other trees in California, but this is not usually liked by those who have done it. The better way is to plant each kind of orchard fruit by itself, filling up the spaces between the trees that are intended to remain the longest, with early-bearing varieties of the same species.

In different climates and soil the same species of fruit, or even the same variety behaves very differently, and requires to be planted at different distances. One rule as to distance apart will not work well for all places. Manuring and cultivation will, in a measure, make up for what is lacking in climate and soil, but not altogether so. The peach trees grown in Connecticut or Northern Michigan are very much smaller than those of Delaware or Missouri. The apple trees of New England and Michigan are far larger than those of Texas and the lower Atlantic coast, because the apple delights in a cool and moist climate. The rich prairies of Illinois or Iowa cannot grow such immense cherry trees as are found in the hill regions of Virginia and Pennsylvania.

Where land is dear, economy of space is an important factor. The more trees we can get on an acre the less it costs per tree to cultivate them. I will describe several of the best styles of planting, of which I know, thinking that some of the readers may wish to use some of them this spring. In each case, fifteen feet is allowed on the south and west sides of the plot (as margin), which are supposed to be the outer edges of the orchard. The calculations are on one acre, which can be used as a guide in the planting of a tract of any size.

The style which is the most economical of space, is the "Hexagonal." It is sometimes called the "triangular" system, because each tree is at the corner of a set of equilateral triangles and it is also the center of a hexagon and the corner of other hexagons. The bees, which know how to economize material, use it in building their combs. I have used it in all the orchards I have planted in several States and like it the best of all. I have devised a system of filling up between the permanent trees with such as bear early, and in a different way from any I have seen used by others. Therefore, I call it the Van Deman Plan. It is given in Fig. 1. In the lower part of the diagram may be seen places for 150 trees per acre, one row apart, with every sixth row left out, which is a saving of 41.2 feet over a square system, and yet, not getting the trees any closer together. In the middle space of this diagram there are places for 104 trees, half being permanent and half fillers. The wide spaces run north and south, which is thought preferable in the West, where the prevailing violent winds are westerly, and the hot sunshine, of course, from the south. This is my favorite style for planting an apple orchard, as it gives about a sufficient number of trees to the acre, and nice room for getting through all parts with a wagon. It is also just right for planting six rows of corn in the wide spaces, until the trees

become large enough to need all the ground. The upper section shows places for 52 trees per acre, after all the fillers are removed. Here, the plow and cultivator can be run three ways, which is very handy for thorough tillage.

ALTERNATE PLAN.

The "alternate" plan is like the hexagonal in all respects, except, that the rows are full 33 feet apart where the others are just described are 28 1/2 feet. The trees are to be planted exactly opposite the middle of the two in the next row, just as in those that are planted far enough apart to not crowd each other when they are big; therefore, if we can properly use the intervening spaces without hurting, or in any way hindering the growth of the trees it is so much gained.

Each tree is often planted between apple trees for this purpose. I have done it, but do not like it. The peach trees are of quicker and more rampant growth and rob the apple trees to some extent. Dwarf pear trees are set in apple orchards sometimes, but this is objectionable; because the pear trees often need very different treatment from the apple trees, owing to their greater proneness to blight; and then, if planted deeply they will send out pear roots and live usefully long after the apple trees are dead. Apple trees are sometimes planted between other trees in California, but this is not usually liked by those who have done it. The better way is to plant each kind of orchard fruit by itself, filling up the spaces between the trees that are intended to remain the longest, with early-bearing varieties of the same species.

In different climates and soil the same species of fruit, or even the same variety behaves very differently, and requires to be planted at different distances. One rule as to distance apart will not work well for all places. Manuring and cultivation will, in a measure, make up for what is lacking in climate and soil, but not altogether so. The peach trees grown in Connecticut or Northern Michigan are very much smaller than those of Delaware or Missouri. The apple trees of New England and Michigan are far larger than those of Texas and the lower Atlantic coast, because the apple delights in a cool and moist climate. The rich prairies of Illinois or Iowa cannot grow such immense cherry trees as are found in the hill regions of Virginia and Pennsylvania.

Where land is dear, economy of space is an important factor. The more trees we can get on an acre the less it costs per tree to cultivate them. I will describe several of the best styles of planting, of which I know, thinking that some of the readers may wish to use some of them this spring. In each case, fifteen feet is allowed on the south and west sides of the plot (as margin), which are supposed to be the outer edges of the orchard. The calculations are on one acre, which can be used as a guide in the planting of a tract of any size.

The style which is the most economical of space, is the "Hexagonal." It is sometimes called the "triangular" system, because each tree is at the corner of a set of equilateral triangles and it is also the center of a hexagon and the corner of other hexagons. The bees, which know how to economize material, use it in building their combs. I have used it in all the orchards I have planted in several States and like it the best of all. I have devised a system of filling up between the permanent trees with such as bear early, and in a different way from any I have seen used by others. Therefore, I call it the Van Deman Plan. It is given in Fig. 1. In the lower part of the diagram may be seen places for 150 trees per acre, one row apart, with every sixth row left out, which is a saving of 41.2 feet over a square system, and yet, not getting the trees any closer together. In the middle space of this diagram there are places for 104 trees, half being permanent and half fillers. The wide spaces run north and south, which is thought preferable in the West, where the prevailing violent winds are westerly, and the hot sunshine, of course, from the south. This is my favorite style for planting an apple orchard, as it gives about a sufficient number of trees to the acre, and nice room for getting through all parts with a wagon. It is also just right for planting six rows of corn in the wide spaces, until the trees

become large enough to need all the ground. The upper section shows places for 52 trees per acre, after all the fillers are removed. Here, the plow and cultivator can be run three ways, which is very handy for thorough tillage.

ALTERNATE PLAN.

The "alternate" plan is like the hexagonal in all respects, except, that the rows are full 33 feet apart where the others are just described are 28 1/2 feet. The trees are to be planted exactly opposite the middle of the two in the next row, just as in those that are planted far enough apart to not crowd each other when they are big; therefore, if we can properly use the intervening spaces without hurting, or in any way hindering the growth of the trees it is so much gained.

Each tree is often planted between apple trees for this purpose. I have done it, but do not like it. The peach trees are of quicker and more rampant growth and rob the apple trees to some extent. Dwarf pear trees are set in apple orchards sometimes, but this is objectionable; because the pear trees often need very different treatment from the apple trees, owing to their greater proneness to blight; and then, if planted deeply they will send out pear roots and live usefully long after the apple trees are dead. Apple trees are sometimes planted between other trees in California, but this is not usually liked by those who have done it. The better way is to plant each kind of orchard fruit by itself, filling up the spaces between the trees that are intended to remain the longest, with early-bearing varieties of the same species.

In different climates and soil the same species of fruit, or even the same variety behaves very differently, and requires to be planted at different distances. One rule as to distance apart will not work well for all places. Manuring and cultivation will, in a measure, make up for what is lacking in climate and soil, but not altogether so. The peach trees grown in Connecticut or Northern Michigan are very much smaller than those of Delaware or Missouri. The apple trees of New England and Michigan are far larger than those of Texas and the lower Atlantic coast, because the apple delights in a cool and moist climate. The rich prairies of Illinois or Iowa cannot grow such immense cherry trees as are found in the hill regions of Virginia and Pennsylvania.

Where land is dear, economy of space is an important factor. The more trees we can get on an acre the less it costs per tree to cultivate them. I will describe several of the best styles of planting, of which I know, thinking that some of the readers may wish to use some of them this spring. In each case, fifteen feet is allowed on the south and west sides of the plot (as margin), which are supposed to be the outer edges of the orchard. The calculations are on one acre, which can be used as a guide in the planting of a tract of any size.

The style which is the most economical of space, is the "Hexagonal." It is sometimes called the "triangular" system, because each tree is at the corner of a set of equilateral triangles and it is also the center of a hexagon and the corner of other hexagons. The bees, which know how to economize material, use it in building their combs. I have used it in all the orchards I have planted in several States and like it the best of all. I have devised a system of filling up between the permanent trees with such as bear early, and in a different way from any I have seen used by others. Therefore, I call it the Van Deman Plan. It is given in Fig. 1. In the lower part of the diagram may be seen places for 150 trees per acre, one row apart, with every sixth row left out, which is a saving of 41.2 feet over a square system, and yet, not getting the trees any closer together. In the middle space of this diagram there are places for 104 trees, half being permanent and half fillers. The wide spaces run north and south, which is thought preferable in the West, where the prevailing violent winds are westerly, and the hot sunshine, of course, from the south. This is my favorite style for planting an apple orchard, as it gives about a sufficient number of trees to the acre, and nice room for getting through all parts with a wagon. It is also just right for planting six rows of corn in the wide spaces, until the trees

become large enough to need all the ground. The upper section shows places for 52 trees per acre, after all the fillers are removed. Here, the plow and cultivator can be run three ways, which is very handy for thorough tillage.

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties in blocks. This makes 98 trees per acre. The lower part of Fig. 2, shows this. As the trees attain age and require more space, he cuts out one-half, leaving them 32 feet apart each way, and 49 trees per acre. He has now raised the varieties as indicated in the diagram, but has planted all of a variety in one block, using such kinds as bear reasonably early. But if such kinds as Missouri were planted as fillers, it would seem to me that they serve a better purpose than if planted each one by itself.

Of course we have all heard of the Olden fruit farm in Southern Missouri. I made three visits there to see it at different times of the year, and was well paid. Nearly all the trees are either apple or peach. More is added each year, 900 trees more having been planted last spring. The older parts are in good bearing condition. The leading spirits in the enterprise are my old friends, President J. C. Evans and Secretary L. A. Goodman, of the Missouri State Horticultural Society. Their plan is to plant in plain squares, the apples being 25 x 25 feet apart, making 64 trees per acre. This is rather close for some sections, but there the apple begins to bear early, and yet little and bears to a very old age. By cutting out each alternate diagonal row, the trees will be left 37 1/2 feet apart and 32 trees to the acre. It may seem presumptuous in me to offer suggestions, but it does seem that if the

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties in blocks. This makes 98 trees per acre. The lower part of Fig. 2, shows this. As the trees attain age and require more space, he cuts out one-half, leaving them 32 feet apart each way, and 49 trees per acre. He has now raised the varieties as indicated in the diagram, but has planted all of a variety in one block, using such kinds as bear reasonably early. But if such kinds as Missouri were planted as fillers, it would seem to me that they serve a better purpose than if planted each one by itself.

Of course we have all heard of the Olden fruit farm in Southern Missouri. I made three visits there to see it at different times of the year, and was well paid. Nearly all the trees are either apple or peach. More is added each year, 900 trees more having been planted last spring. The older parts are in good bearing condition. The leading spirits in the enterprise are my old friends, President J. C. Evans and Secretary L. A. Goodman, of the Missouri State Horticultural Society. Their plan is to plant in plain squares, the apples being 25 x 25 feet apart, making 64 trees per acre. This is rather close for some sections, but there the apple begins to bear early, and yet little and bears to a very old age. By cutting out each alternate diagonal row, the trees will be left 37 1/2 feet apart and 32 trees to the acre. It may seem presumptuous in me to offer suggestions, but it does seem that if the

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties in blocks. This makes 98 trees per acre. The lower part of Fig. 2, shows this. As the trees attain age and require more space, he cuts out one-half, leaving them 32 feet apart each way, and 49 trees per acre. He has now raised the varieties as indicated in the diagram, but has planted all of a variety in one block, using such kinds as bear reasonably early. But if such kinds as Missouri were planted as fillers, it would seem to me that they serve a better purpose than if planted each one by itself.

Of course we have all heard of the Olden fruit farm in Southern Missouri. I made three visits there to see it at different times of the year, and was well paid. Nearly all the trees are either apple or peach. More is added each year, 900 trees more having been planted last spring. The older parts are in good bearing condition. The leading spirits in the enterprise are my old friends, President J. C. Evans and Secretary L. A. Goodman, of the Missouri State Horticultural Society. Their plan is to plant in plain squares, the apples being 25 x 25 feet apart, making 64 trees per acre. This is rather close for some sections, but there the apple begins to bear early, and yet little and bears to a very old age. By cutting out each alternate diagonal row, the trees will be left 37 1/2 feet apart and 32 trees to the acre. It may seem presumptuous in me to offer suggestions, but it does seem that if the

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties in blocks. This makes 98 trees per acre. The lower part of Fig. 2, shows this. As the trees attain age and require more space, he cuts out one-half, leaving them 32 feet apart each way, and 49 trees per acre. He has now raised the varieties as indicated in the diagram, but has planted all of a variety in one block, using such kinds as bear reasonably early. But if such kinds as Missouri were planted as fillers, it would seem to me that they serve a better purpose than if planted each one by itself.

Of course we have all heard of the Olden fruit farm in Southern Missouri. I made three visits there to see it at different times of the year, and was well paid. Nearly all the trees are either apple or peach. More is added each year, 900 trees more having been planted last spring. The older parts are in good bearing condition. The leading spirits in the enterprise are my old friends, President J. C. Evans and Secretary L. A. Goodman, of the Missouri State Horticultural Society. Their plan is to plant in plain squares, the apples being 25 x 25 feet apart, making 64 trees per acre. This is rather close for some sections, but there the apple begins to bear early, and yet little and bears to a very old age. By cutting out each alternate diagonal row, the trees will be left 37 1/2 feet apart and 32 trees to the acre. It may seem presumptuous in me to offer suggestions, but it does seem that if the

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties in blocks. This makes 98 trees per acre. The lower part of Fig. 2, shows this. As the trees attain age and require more space, he cuts out one-half, leaving them 32 feet apart each way, and 49 trees per acre. He has now raised the varieties as indicated in the diagram, but has planted all of a variety in one block, using such kinds as bear reasonably early. But if such kinds as Missouri were planted as fillers, it would seem to me that they serve a better purpose than if planted each one by itself.

Of course we have all heard of the Olden fruit farm in Southern Missouri. I made three visits there to see it at different times of the year, and was well paid. Nearly all the trees are either apple or peach. More is added each year, 900 trees more having been planted last spring. The older parts are in good bearing condition. The leading spirits in the enterprise are my old friends, President J. C. Evans and Secretary L. A. Goodman, of the Missouri State Horticultural Society. Their plan is to plant in plain squares, the apples being 25 x 25 feet apart, making 64 trees per acre. This is rather close for some sections, but there the apple begins to bear early, and yet little and bears to a very old age. By cutting out each alternate diagonal row, the trees will be left 37 1/2 feet apart and 32 trees to the acre. It may seem presumptuous in me to offer suggestions, but it does seem that if the

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties in blocks. This makes 98 trees per acre. The lower part of Fig. 2, shows this. As the trees attain age and require more space, he cuts out one-half, leaving them 32 feet apart each way, and 49 trees per acre. He has now raised the varieties as indicated in the diagram, but has planted all of a variety in one block, using such kinds as bear reasonably early. But if such kinds as Missouri were planted as fillers, it would seem to me that they serve a better purpose than if planted each one by itself.

Of course we have all heard of the Olden fruit farm in Southern Missouri. I made three visits there to see it at different times of the year, and was well paid. Nearly all the trees are either apple or peach. More is added each year, 900 trees more having been planted last spring. The older parts are in good bearing condition. The leading spirits in the enterprise are my old friends, President J. C. Evans and Secretary L. A. Goodman, of the Missouri State Horticultural Society. Their plan is to plant in plain squares, the apples being 25 x 25 feet apart, making 64 trees per acre. This is rather close for some sections, but there the apple begins to bear early, and yet little and bears to a very old age. By cutting out each alternate diagonal row, the trees will be left 37 1/2 feet apart and 32 trees to the acre. It may seem presumptuous in me to offer suggestions, but it does seem that if the

varieties were mixed in the row, and the early bearing ones thus cut out it would be better than having each variety in a block to itself.

The Olden plan for peach orchards is 16 1/2 x 16 1/2 feet in plain squares, as Fig. 3. There are 160 trees per acre. At convenient distances for the passage of wagons, roads are left which make a series of blocks, which are, on the whole, quite regular in size and shape.

Then, there are the great Half peach orchards of Georgia and Connecticut. They are planted 13 x 13 feet apart, as the illustration shows. This seems very close, and I have told my good Yankee friend, when we have been going through the orchards that I feared he would finally wish they were farther apart. But his experience so far does not lead to that opinion, and the oldest trees do look

very thrifty. However, he feeds them abundantly with plenty of potash and whatever else they need. He also keeps them well pruned back. There are 280 trees per acre. The Georgia orchard is laid off into blocks 1000 x 500 feet in size with roads or streets at these distances; which are named for the States one way and for eminent horticulturists the other. All the fruit must be carried by hand to the wagons, which, however, are conveniently near.

My friend, Judge F. Wellhouse, of Kansas, is known to nearly all readers of rural papers as "The Apple King of America." His orchards are now about to equal or exceed him in extent of apple culture. He and son have over 1,000 acres in apples now. He plants 32 x 16 feet in plain squares, and all of the same varieties





\_\_\_\_\_

\_\_\_\_\_

**PEACH TREES FOR SALE.**

**ONE YEAR SWEET CHERRY TREES.**

We have few thousand light peach trees and a few inch caliber about three feet high, all Western Yellow Yew grown of the varieties named below. They are about four years old, fruiting. No less than 50 sold in one lot. Below is a list of varieties:

01 Hills' Shell.	25 Wonderful.
02 Gals.	26 Dixie.
03 Atlanta.	27 Garned.
04 Crosby.	28 Greenstone.
05 Ribard.	30 Late Crawford.
06 Alexander.	400 Early Crawford.
07 Sweetheart.	401 Sweetheart.
28 Mountain Rose.	100 Foster.
29 Globe.	100 Whetland.
30 Gals.	101 Champion.
31 Wager.	50 Chas's Early.

Cherry trees (sweet), 1 year old, a few inch caliber, at less than 50 sold in one lot. Below are the varieties: Black Eagle, Windsor, Yellow Spanish, Wood, Napoleon, Black Tartarian, etc. etc. etc. Write for prices. In order to secure it. Send for particulars.



